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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/796,835	03/08/2004	Vibha Goel	AVAN-01000D1	2489		
26290	7590 06/28/2005		EXAM	EXAMINER		
MOSER, PATTERSON & SHERIDAN, L.L.P.			PAYNE, I	PAYNE, DAVID C		
3040 POST OAK BOULEVARD SUITE 1500			ART UNIT	PAPER NUMBER		
HOUSTON, TX 77056			2638			
			DATE MAILED: 06/28/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No	Applicant(s)			
Office Action Summary		10/796,8		GOEL, VIBHA			
		Examine		Art Unit	T		
		David C. I		2638			
The N	NAILING DATE of this communication				ldress		
Period for Reply				·			
THE MAILIN  - Extensions of ti after SIX (6) MO  - If the period for  - If NO period for  - Failure to reply Any reply receiv	IED STATUTORY PERIOD FOR GOVERNMENT OF THIS COMMUNICATION OF THIS COMMUNICATION OF THIS FORM THE MAILING AREA OF THIS COMMUNICATION OF THIS FORM THE MAILING AREA OF THIS FORM T	ATION. 37 CFR 1.136(a). In no ev ication. days, a reply within the stat tory period will apply and w I, by statute, cause the app	ent, however, may a reply be tim utory minimum of thirty (30) days ill expire SIX (6) MONTHS from lication to become ABANDONE	ely filed will be considered time the mailing date of this o (35 U.S.C. § 133).	ly. communication.		
Status							
1)⊠ Respo	nsive to communication(s) filed	on <u>07 January 200</u>	<u>5</u> .				
2a) This ad	ction is <b>FINAL</b> . 2b	NAL. 2b)⊠ This action is non-final.					
3)☐ Since t	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of C	Claims						
4)⊠ Claim(	☑ Claim(s) <u>1-5</u> is/are pending in the application.						
4a) Of 1	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(	5) Claim(s) is/are allowed. 6) Claim(s) <u>1-5</u> is/are rejected.						
6)⊠ Claim(							
	s) is/are objected to.						
8) Claim(	s) are subject to restriction	on and/or election r	equirement.				
Application Pap	ers						
9)☐ The spe	ecification is objected to by the E	Examiner.					
10) The dra	The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applica	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replace	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oat	th or declaration is objected to b	y the Examiner. No	ote the attached Office	Action or form P	ΓΟ-152.		
Priority under 3	5 U.S.C. § 119						
12) Acknow	ledgment is made of a claim for	r foreign priority un	der 35 U.S.C. § 119(a)	-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. 🗌 (	Certified copies of the priority do	cuments have bee	n received.				
2. 🗌 (	Certified copies of the priority do	cuments have bee	n received in Application	on No			
3. 🔲 (	Copies of the certified copies of	the priority docume	ents have been receive	d in this National	Stage		
	application from the Internationa	· ·					
* See the	attached detailed Office action f	for a list of the certi	fied copies not receive	d.			
Attachment(s)	rences Cited (PTO-892)		4)	(PTO 442)			
	rences Cited (PTO-892) sperson's Patent Drawing Review (PTC	D-948)	4) Interview Summary ( Paper No(s)/Mail Da	te	•		
3) 🔲 Information Dis	sclosure Statement(s) (PTO-1449 or PT		5) Notice of Informal Pa	atent Application (PT	O-152)		
Paper No(s)/M	ail Date		6)				

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## **DETAILED ACTION**

## Response to Arguments

 Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

## Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Thatcher et al. US* 5,757,998 (*Thatcher*) in view of Mody et al. US 20020181509 A1 (Mody).

Re claims 1, 4 Thatcher disclosed:

A system comprising a housing (package, e.g., col./line: 3/5-15);

a receiver part (optical receiver sub-assembly, e.g., col./line: 3/55-60), associated with said housing, including at least a receiver array;

a plurality of interface assemblies (*Figure 1B*), each interface assembly sized for receiving a transmitter part which have outer surfaces sized for allowing said transmitter part to slide into place within said housing (*Figure 1B*), and which can be selectively inserted and removed from said receiver part (e.g., col./line: 5/10-15), said housing including common circuitry operating to drive said interface assemblies (e.g., col./line: 3/55-60), and said housing including slide portions which guide said surfaces of each interface assembly into a location and allow connection to said interface assembly, and which allow said interface assemblies to be selectively slid into place and connected and subsequently remove.

Thatcher does not disclose that interface assembly including has its own heat sink portions, associated with transmitter circuitry on the interface assembly, which operate to dissipate heat from

the interface assembly.

However, Thatcher, disclosed a package with integrated heat sink (e.g., col./line: 7/1-5).

It would have been obvious to one of ordinary skill in the art at the time of invention to separate the Thatcher heat sinks onto each interface assembly to obtain the claimed invention. One is motivated as such since greater heat dissipation is achieved by placing each heat sink directly with each interface assembly rather than on the outer housing. Lacking any criticality, to make prior art parts separable does not make the claimed invention patentable over that prior art (Nerwin v. Erlichman, 168 USPQ 177).

Thatcher does not disclose a common receiver part.

Mody disclosed a communication system having receivers having a common part, see paragraph 103. It would have been obvious to one of ordinary skill in the art at the time of invention to utilize common parts in a receiver for efficiency and cost effectiveness.

Claims 2, 3, and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Thatcher et al. US* 5,757,998 (*Thatcher*) and Mody et al. US 20020181509 A1 (Mody) as applied to claim 1 above, and in further view of *Darcie*, *US* 6,014,479 (*Darcie*).

Re claims 2 and 5, the modified invention of Thatcher and Mody did not disclose WDM transmitters.

Darcie disclosed WDM transmitters (e.g., col./line: 3/14-20).

It would have been obvious to one of ordinary skill in the art at the time of invention to use WDM transmitters in the Thatcher module to obtain the claimed invention. One is motivated as such since WDM networks offer high capacities and facilitate a wide variety of architectures (e.g., col./line: 1/14-20).

Re claim 3, Darcie disclosed transmitters operating at different wavelengths (e.g., col./line: 3/27-33).

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5. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Harrigan et al. US* 6,069,752 (*Harrigan* ) in view of Mody et al. US 20020181509 A1 (Mody).

Re claims 1 and 4 Harrigan disclosed:

A system comprising a housing (e.g., col./line: 6/15-37);

a receiver part (e.g., col./line: 6/30), associated with said housing, including at least a receiver array; a plurality of interface assemblies (*Figure 7*), each interface assembly sized for receiving a transmitter part which have outer surfaces sized for allowing said transmitter part to slide into place within said housing, and which can be selectively inserted and removed from said receiver part (e.g., col./line: 6/15-37), and said housing including slide portions which guide said surfaces of each interface assembly into a location and allow connection to said interface assembly, and which allow said interface assembly including its own heat sink (Figure 7, #10).

Harrigan does not disclose a common receiver part.

Mody disclosed a communication system having receivers having a common part, see paragraph 103. It would have been obvious to one of ordinary skill in the art at the time of invention to utilize common parts in a receiver for efficiency and cost effectiveness.

Harrigan does not disclose a common drive circuitry. However, It would have been obvious to one of ordinary skill in the art at the time of invention to integrate the drive circuitry to obtain the claimed invention. One is motivated as such since it is not novel to separate or group parts and that common drive circuitry reduces component cost and board space.

Re claims 2, 3, and 5 Harrigan disclosed:

transmitters that operate as blue and green laser beams (e.g., col./line: 4/55-60).

Conclusion

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6. Any inquiry concerning this communication or earlier communications from the examiner should be

directed to David C. Payne whose telephone number is (571) 272-3024. The examiner can normally

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be reached on M-F, 7a-4p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Kenneth Vanderpuye can be reached on (571) 272-3078. The fax phone number for the organization

where this application or proceeding is assigned 571-272-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

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at 866-217-9197 (toll-free).

Dcp

David C. Payne
Patent Examiner

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